

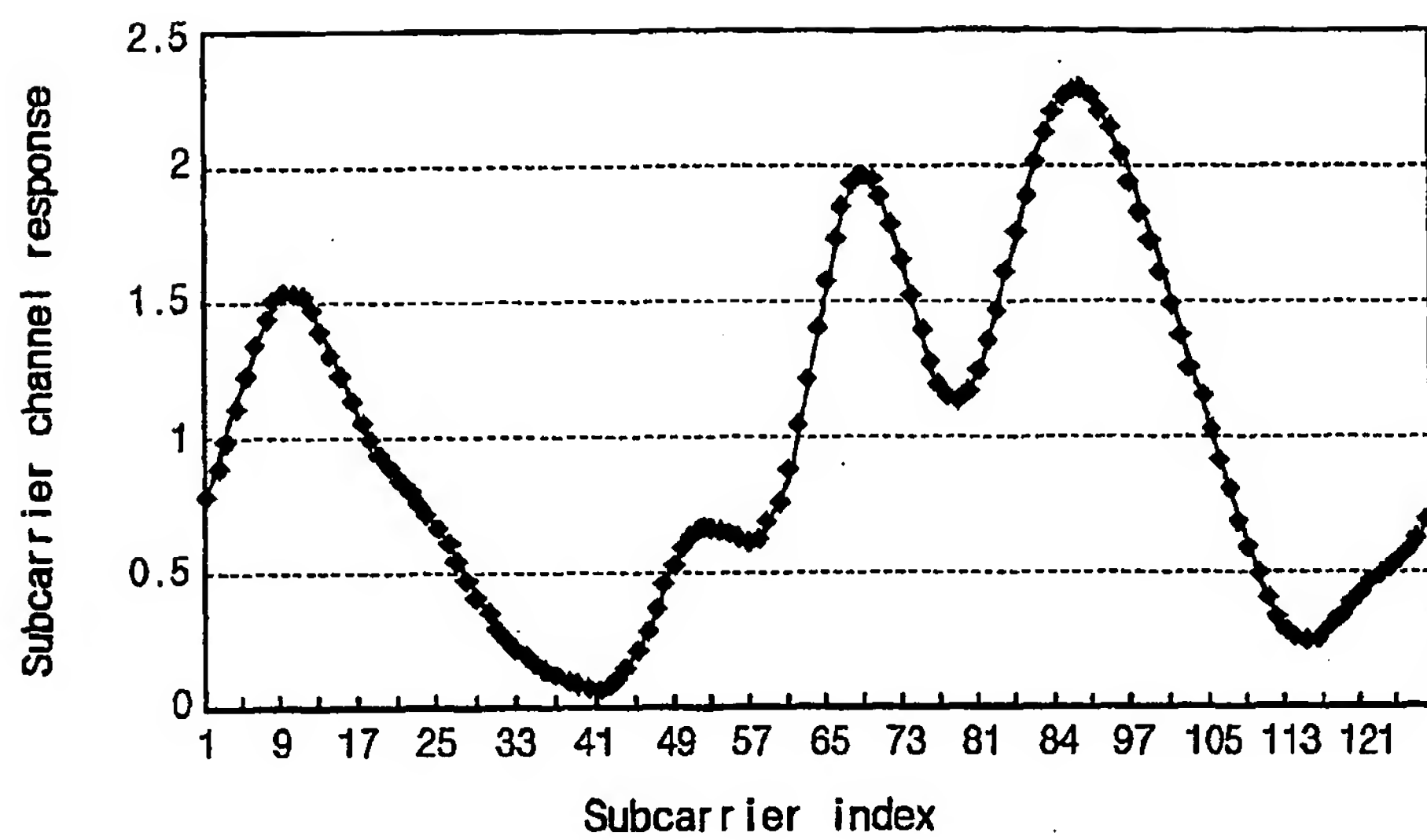
Fig. 1

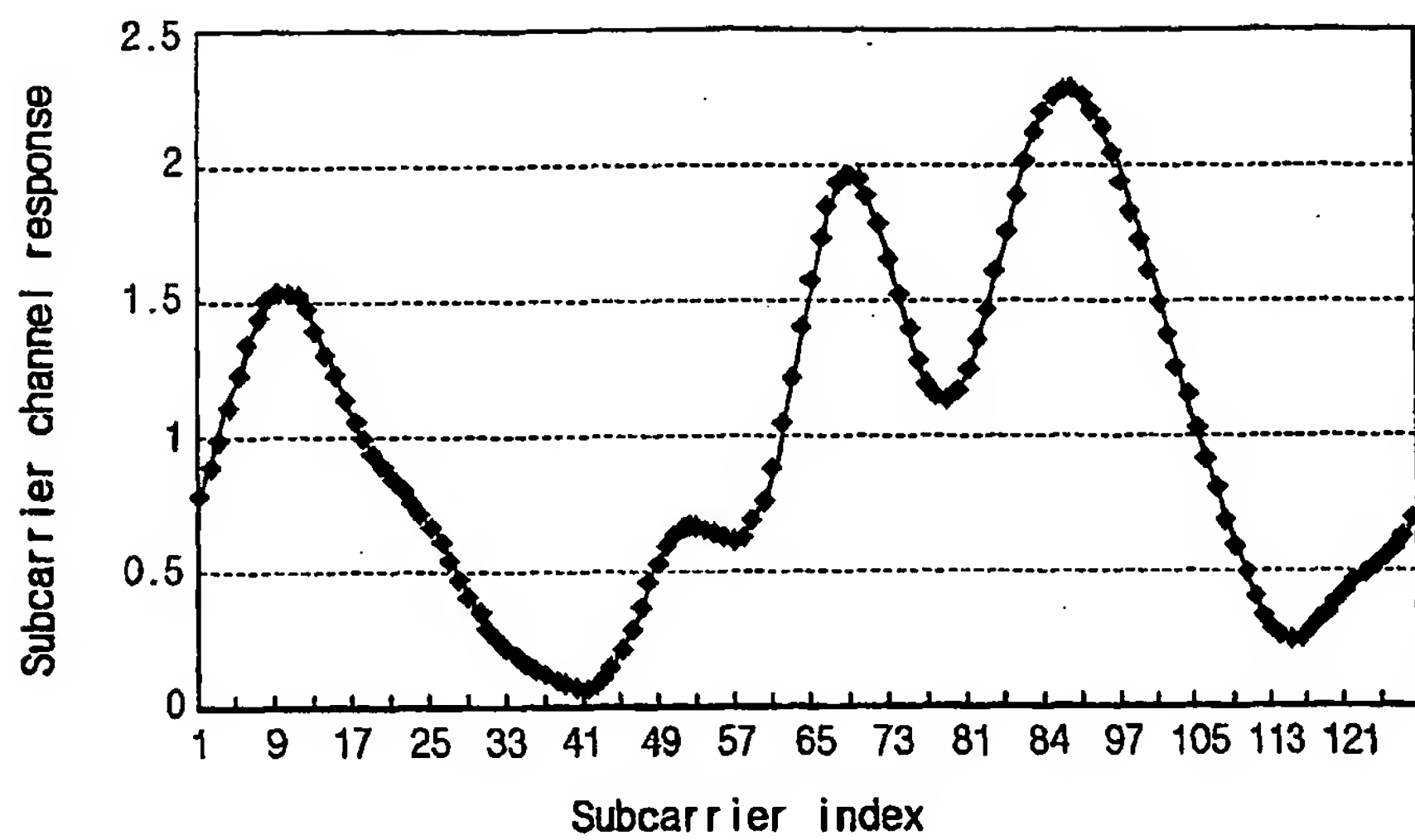
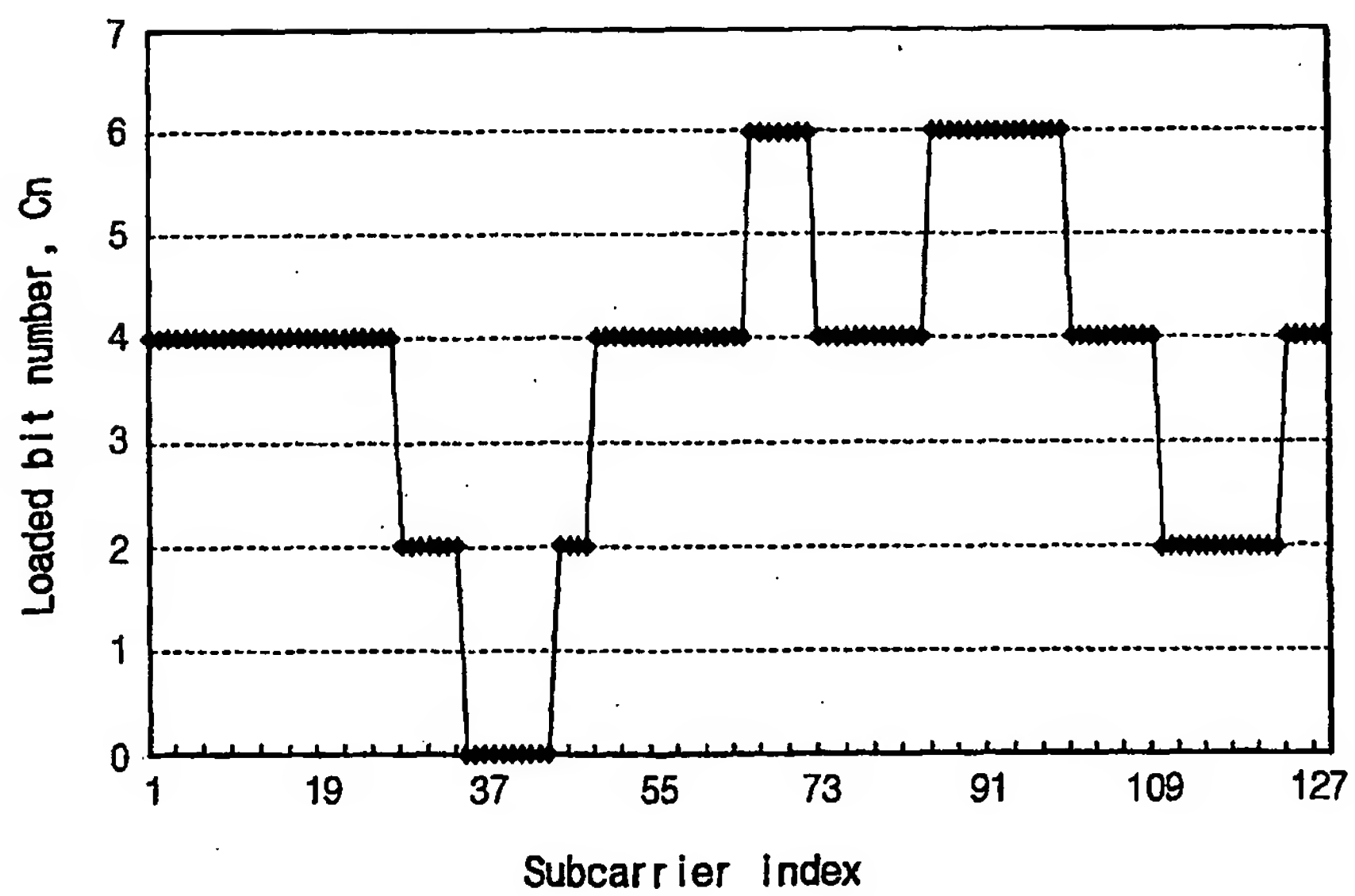
Fig. 2**Fig. 3**

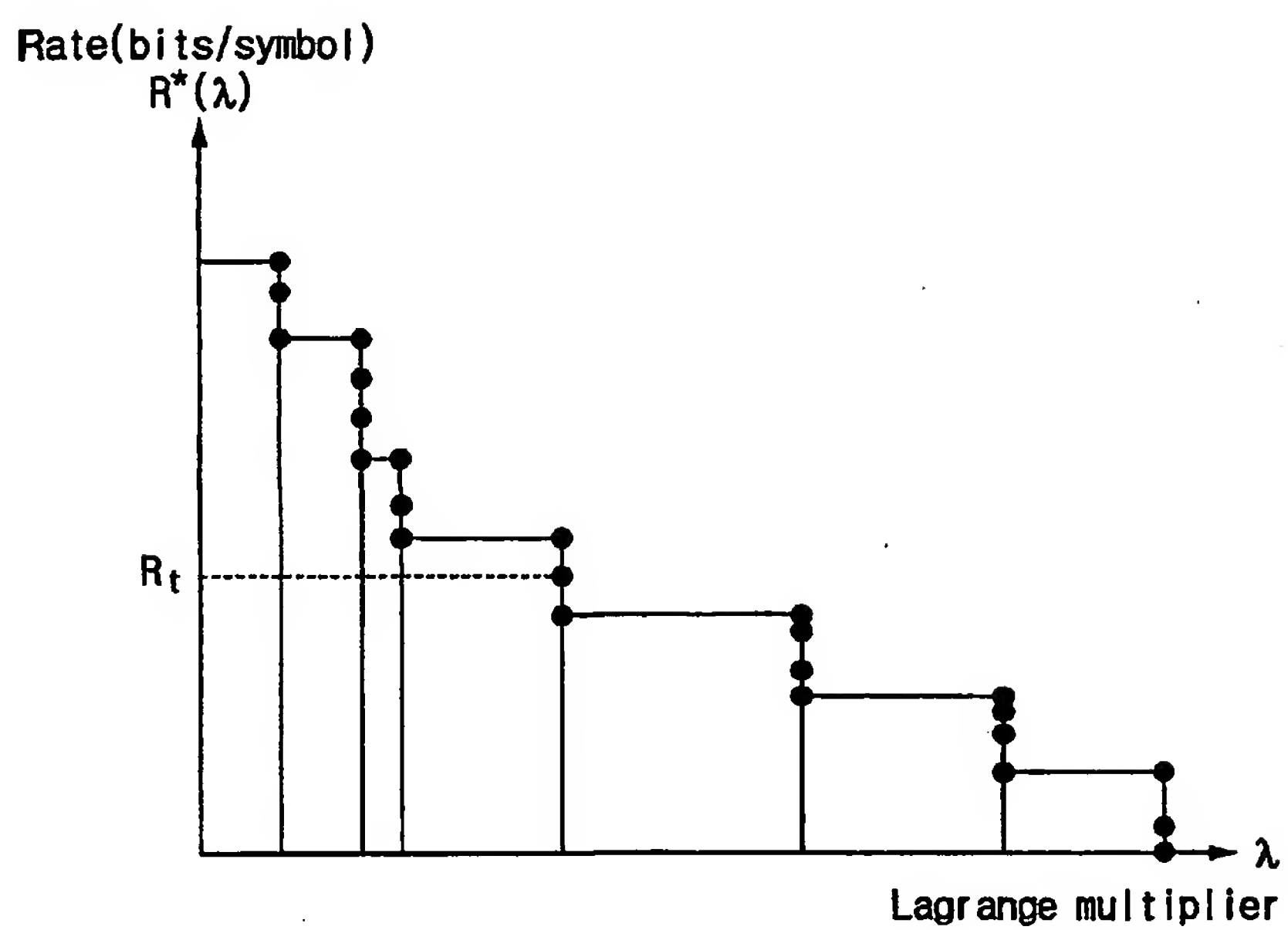
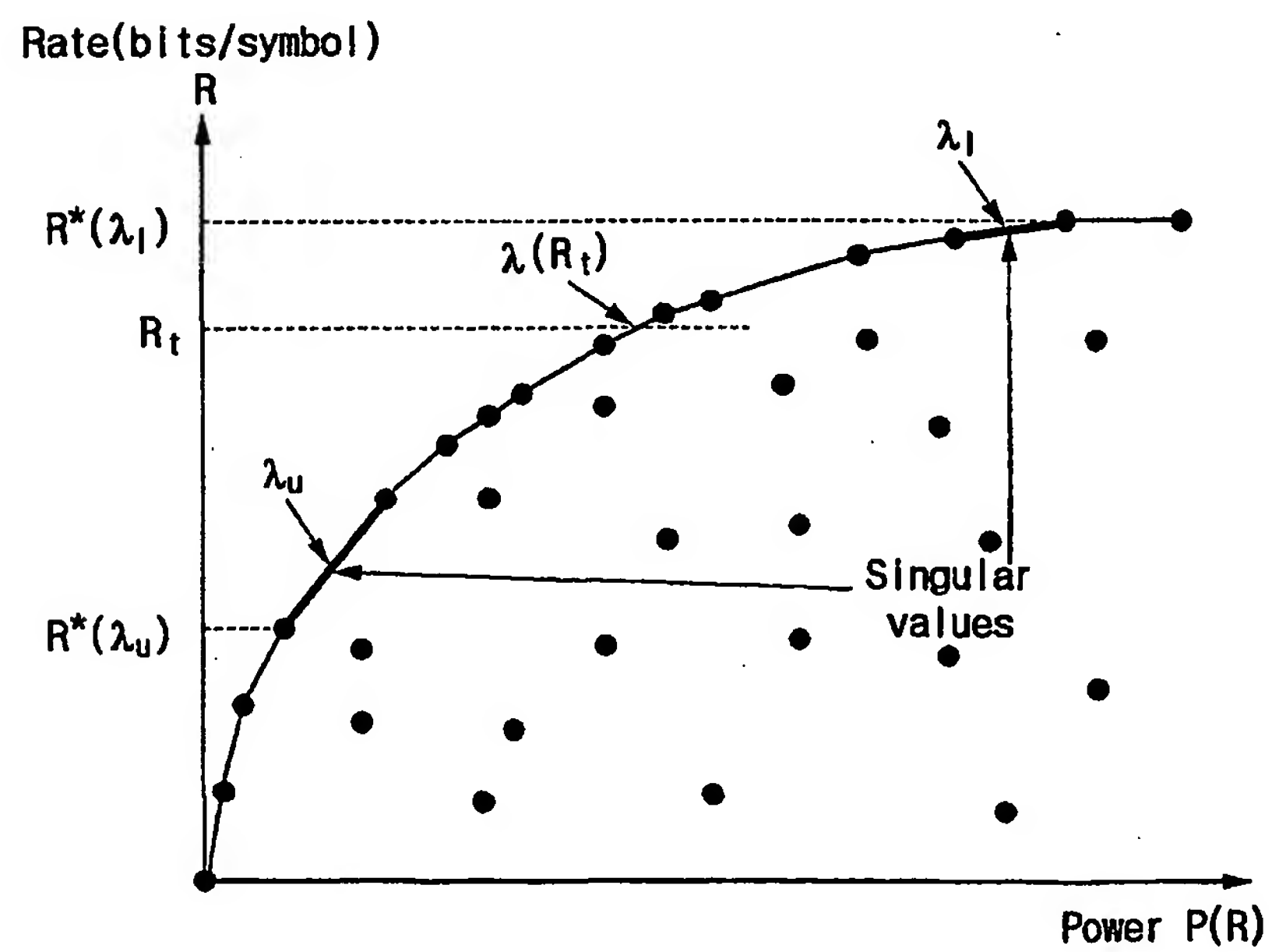
Fig. 4**Fig. 5**

Fig. 6

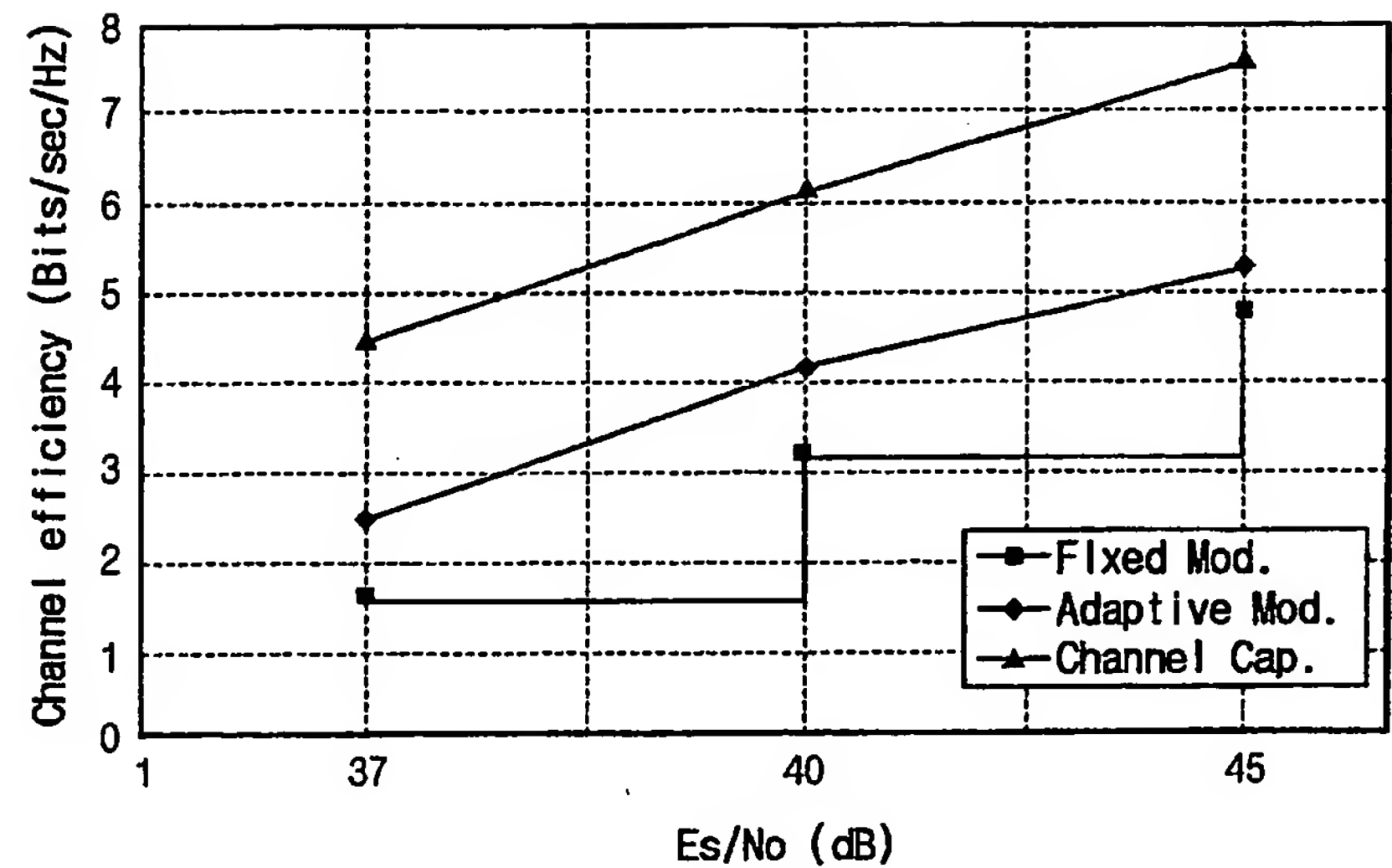


Fig. 7

Average repeat number	Greedy algorithm	Shoham algorithm	Krongold algorithm	Present invention
$E_s/N_0 = 34\text{dB}$	176.7	59.0	8.18	4.4
$E_s/N_0 = 40\text{dB}$	300.0	100.2	32.1	10.1
$E_s/N_0 = 45\text{dB}$	381.0	127.0	32.8	10.0